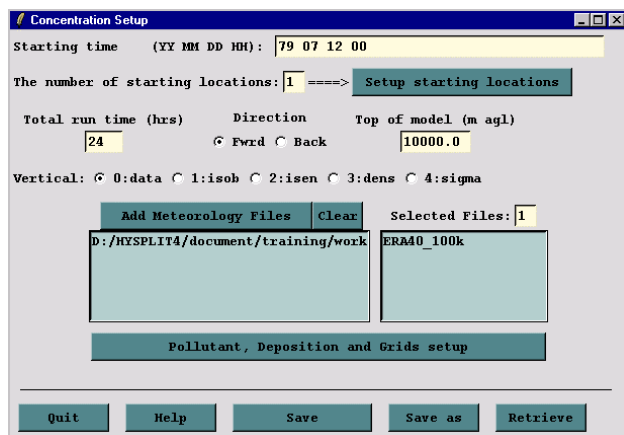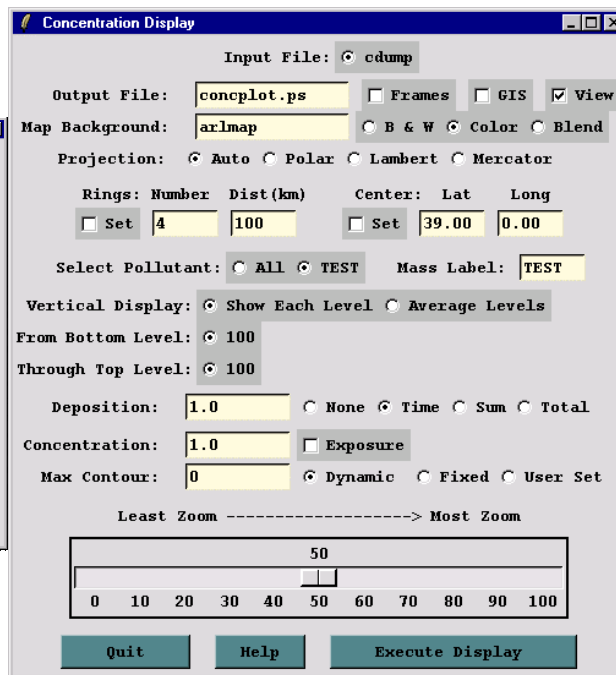# Example Dispersion Calculation

The concentration setup menu is shown for the example at the beginning of this section (ECMWF data, release 39N 0W 10m, 24 h emission and simulation, snapshot concentration after 24 h, and 5000 particles – the advanced menu).
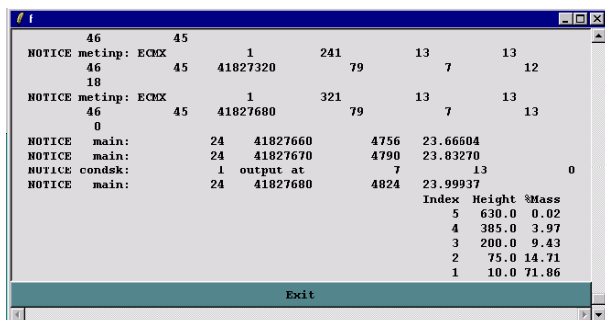
graphic. As an exercise, the high- resolution map background file (map_spain) could replace the default map background file.

After "run standard model", the results can be displayed through the "display concentration" menu. In the example, default values were used to generate the

All HYSPLIT simulations generate a text MESSAGE file, which contains diagnostic information about the calculation. Use the GUI from the advanced menu tab to view the file. In this case, at the end of the simulation, 23.99937 units of mass were still on the domain. The vertical mass distribution showed 96% of the mass to be within 200 m of the ground. The vertical mass distribution is computed independently of the vertical concentration grid.

As an exercise, the model should be rerun from the command prompt using the CONTROL file and SETUP.CFG files that were created by the GUI. These could then be edited manually for different simulations. Most programs, such as the concentration-plotting program, have additional command line options available that are not supported by the GUI.